Please add the amended Sequence Listing as attached herein.



**REMARKS**

Fig. 4 is herein amended to correct obvious errors. Fig. 4, as filed in the present application, included the mistyping of the sequence to include 'T' at base position 9885. This 'T' is now deleted in the amended Fig. 4 as submitted herein. Fig. 4, as filed, further included the mislabeling of the ovomucoid coding region sequence as '5' UNTRANSLATED REGION.' Fig. 4 is herein amended to include the correct label of 'OVOMUCOID CODING REGION.' Fig. 4, as filed, further included misnumbering of the lines of the nucleotide sequence. Fig. 4 is herein amended to correct the numbering from '9920' to 9979.

Fig. 4, as herein amended, is now in accordance with the published references of *Lindenmaier et al.; Catterall et al.* and *Lai et al.*, referred to on page 3 of the present application as filed, and incorporated therein by reference in their entities, as stated on page 36 of the present application.

Applicants attach amended Fig. 4 together with a marked-up version of Fig. 4, as filed 30 Nov 2001 and indicating the amendments thereon. Applicants further attach an amended Sequence Listing, both as a paper copy and in computer readable format.

Applicants herein affirm that the amended specification includes no new matter and respectfully request that the above Amendment to the Specification be entered into the above-referenced Application.

The Examiner is invited to contact the undersigned at the Examiner's convenience should any issues remain following entry of this Response.

If any fee or extension of time is required to obtain entry of this Response, the undersigned hereby petitions the Commissioner to grant any necessary time extension and authorizes charging Deposit Account No. 501729 for any such fee not submitted herewith.

Respectfully submitted,

Date: 19 February 2002

Judy Jarecki-Black, Ph.D., J.D.
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(706) 227-2180 (facsimile)

TAGGCAGAGCAATAGGACTCTCAACCTCGTGAGTATGGCAGCATGTTAACTCTGCACTGG 60

OVOINHIBITOR 3' UNTRANSLATED REGION

AGTCCAGCGTGGGAAACAATCTGCCTTGCACATGAGTCTTCGTGGGCCAATATTCCCCAA

OVOINHIBITOR 3' UNTRANSLATED REGION

CGGTTTTCCTTCAGCTTGTCTTGTCTCCTAAGCTCTCAAAACACCTTTTTGGTGAATAAA

OVOINHIBITOR 3' UNTRANSLATED REGION

CTCACTTGGCAACGTTTATCTGTCTTACCTTAGTGTCACGTTTCATCCCTATTCCCCTTT

CTCCTCCTCCGTGTGGTACACAGTGGTGCACACTGGTTCTTCTGTTGATGTTCTGCTCTG 300
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GGCCCTGGGCTCCCCTTGGAGCTCTCAGGCATTTCCTTAATCATCACAGTCACGCTGGCA
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GCAGGGAGACGTTTGCCTCAAGATCAGGGTCCATCTCACCCACAGGGCCATTCCCAAGAT
GAGGTGGATGGTTTACTCTCACAAAAAGTTTTCTTATGTTTGGCTAGAAAGGAGAACTCA 600
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AGAACAACTTCAGTCCTAGTGTTTTGTGGGCTGGAATTGCCCATGTGGTAGGGACAGGCC 900
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GATTGCCTGTGATTGGCTTTAATTGAATGGCAAATCACAGGAAAGCAGTTCTGCTCAACA
GTTGGTTGTTTCAGCCAATTCTTGCAGCCAAAGAGCCGGGTGCCCAGCGATATAATAGTT
GTCACTTGTGTCTGTATGGATGACAGGGAGGTAGGGTGACCTGAGGACCACCCTCCAGCT
TCTGCTAGCGTAGGTACAGTCACCACCTCCAGCTCCACACGAGTCCCATCGTGGTTTACC 1200
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GGAACAGGGCCATAGCACCTCCATGCTATTAGATTCCGGCTGGCATGTACTTTTCAAGAT
GATTTGTAACTAACAATGGCTTATTGTGCTTGTCTTAAGTCTGTGTCCTAATGTAAATGT
TCCTTTGGTTTATATAACCTTCTTGCCATTTGCTCTTCAGGTGTTCTTGCAGAACACTGG 1500
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CTGCTCTGTGGAACACATTGTCTGATGATACCGAAGGCAAACGTGAACTCAAAGAGGCAC
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ATAGTGTCACTAAGAGATCTGAAGGATGGTTTTACAGAACAGTTGACTTGGCTGGGTGCA
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CTGAAGCACAGCAGCTCCAGCTCCATGCAGTACTCACAGCTGGTGCAGCCCTCGGCTCCA
GGGTCTGAGCAGTGCTGGGACTCACGAGGTTCCATGTCTTTCACACTGATAATGGTCCAA

CR1

TTTCTGGAATGGGTGCCCATCCTTGGAGGTCCCCAAGGCCAGGCTGGCTGCGTCTCCGAG

CR1

CAGCCCGATCTGGTGGTGAGTAGCCAGCCCATGGCAGGAGTTAGAGCCTGATGGTCTTTA

CR1

AGGTCCCTTCCAACCTAAGCCATCCTACGATTCTAGGAATCATGACTTGTGAGTGTGTAT 3000

CR1

TGCAGAGGCAATATTTTAAAGTTATAAATGTTTTCTCCCCTTCCTTGTTTGTCAAAGTTA

CR1

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CAACCGAAAACAGCCGGCTTCATTTGTCTTTTTTAAATGCTGTTTTCCAGGTGAATTTTG 5700
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TCTGCATTGCCTCTTTCTGGGGTTTCCAAGAGGGGGGGAGACTTTGCGCGGGGATGAGAT
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CTGATCCTGAAGCTTGCAGTCCAAGGCTTTGTCTGTGTACCCAGTGAAATCCTTCCTCTG 6000
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TCTGGAGCAGCACTTGTTTGCAGCCAGTCCTCCCCAAAATGCACAGACCTCGCCGAGTGG
AGGGAGATGTAAACAGCGAAGGTTAATTACCTCCTTGTCAAAAACACTTTGTGGTCCATA

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TCTCAGCAGCACCGCTCTGGGTGACCTGAGTGGCCACCTGGAACCCGAGGGGCACAGCCA 6600
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ACATCAATATTAGTTTGGAAAAAAACACCACCACCACCAGAAACTGTAATGGAAAATGTA
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TCCCCTGCCTTTGCTTGCCCACAGATCTCTGCCCTTGTGCTGACTCCTGCACACAAGAGC 8100
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GGTGTGAAGGCTGGAGGTGAGAGACAGAGCCTGTCCCAGTTTTCCTGTCTCTATTTTCTG 9000
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TCAATTCGCTTAACTGTGACTAGGTCTGTAAATAAGTGCTCCCTGCTGATAAGGTTCAAG
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TCTATACTTAAGCAGTGAAACCGCCAAGAAACCCTTCCTTTTATCAAGCTAGTGCTAAAT 9300
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CTGTGCTATTTAGGGTTCTACCAGAGTCCTTAAGAGGTTTTTTTTTTTTTGGTCCAAAA 9600
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AGTGTCCAGCCAAAATCAATTGCCTGGGAGACGCAGACCATTACCTGGAGGTCAGGACCT
CAATAAATATTACCAGCCTCATTGTGCCGCTGACAGATTCAGCTGGCTGCTCCGTGTTCC
AGTCCAACAGTTCGGACGCCACGTTTGTATATATTTGCAGGCAGCCTCGGGGGGACCATC
TCAGGAGCAGAGCACCGGCAGCCGCCTGCAGAGCCGGGCAGTACCTCACC**ATGGCCATGG** 9900

OVOMUCOID 5' UNTRANSLATED REGION

**CAGGTGTCTTCGTGCTGTTCTCTTTCGTGCTTTGTGGCTTCCTCCCAGGTGAGTAACTCC**

OVOMUCOID CODING REGION

**CAGAGTGCTGCAGAAGCTT** 9979

FIG. 4

**MARKED UP VERSION**

TAGGCAGAGCAATAGGACTCTCAACCTCGTGAGTATGGCAGCATGTTAACTCTGCACTGG 60

OVOINHIBITOR 3' UNTRANSLATED REGION

AGTCCAGCGTGGGAAACAATCTGCCTTGCACATGAGTCTTCGTGGGCCAATATTCCCCAA

OVOINHIBITOR 3' UNTRANSLATED REGION

CGGTTTTCCTTCAGCTTGTCTTGTCTCCTAAGCTCTCAAAACACCTTTTTGGTGAATAAA

OVOINHIBITOR 3' UNTRANSLATED REGION

CTCACTTGGCAACGTTTATCTGTCTTACCTTAGTGTCACGTTTCATCCCTATTCCCCTTT

CTCCTCCTCCGTGTGGTACACAGTGGTGCACACTGGTTCTTCTGTTGATGTTCTGCTCTG[..]300
ACAGCCAATGTGGGTAAAGTTCTTCCTGCCACGTGTCTGTGTTGTTTTCACTTCAAAAAG
GGCCCTGGGCTCCCCTTGGAGCTCTCAGGCATTTCCTTAATCATCACAGTCACGCTGGCA
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GAGGTGGATGGTTTACTCTCACAAAAAGTTTTCTTATGTTTGGCTAGAAAGGAGAACTCA 600
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GATTGCCTGTGATTGGCTTTAATTGAATGGCAAATCACAGGAAAGCAGTTCTGCTCAACA
GTTGGTTGTTTCAGCCAATTCTTGCAGCCAAAGAGCCGGGTGCCCAGCGATATAATAGTT
GTCACTTGTGTCTGTATGGATGACAGGGAGGTAGGGTGACCTGAGGACCACCCTCCAGCT
TCTGCTAGCGTAGGTACAGTCACCACCTCCAGCTCCACACGAGTCCCATCGTGGTTTACC 1200
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TTCTGTGAAGCTATCAAGATCCTACTCAATGACATTAGCTGGGTGCAGGTGTACCAAATC
CTGCTCTGTGGAACACATTGTCTGATGATACCGAAGGCAAACGTGAACTCAAAGAGGCAC
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CTGAAGCACAGCAGCTCCAGCTCCATGCAGTACTCACAGCTGGTGCAGCCCTCGGCTCCA
GGGTCTGAGCAGTGCTGGGACTCACGAGGTTCCATGTCTTTCACACTGATAATGGTCCAA

CR1

TTTCTGGAATGGGTGCCCATCCTTGGAGGTCCCCAAGGCCAGGCTGGCTGCGTCTCCGAG

CR1

CAGCCCGATCTGGTGGTGAGTAGCCAGCCCATGGCAGGAGTTAGAGCCTGATGGTCTTTA

CR1

AGGTCCCTTCCAACCTAAGCCATCCTACGATTCTAGGAATCATGACTTGTGAGTGTGTAT 3000

CR1

TGCAGAGGCAATATTTTAAAGTTATAAATGTTTTCTCCCCTTCCTTGTTTGTCAAAGTTA

CR1

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TTAACTCGGGTGAACTCTCCTTCACTCGCATCATTTGCGGGCCTTATTTACATCCCCAGC 4500
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ATATGATCATATACAGCACAGCAGTCATTGTGCATGTATTAATATATATTGAGTAGCAGT 5100
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TAACTTATAAATAGTAAAACCTTCTCAGTTCAGCCACGTGCTCCTCTCTGTCAGCACCAA
TGGTGCTTCGCCTGCACCCAGCTGCAAGGAATCAGCCCGTGATCTCATTAACACTCAGCT
CTGCAGGATAAATTAGATTGTTCCACTCTCTTTTGTTGTTAATTACGACGGAACAATTGT
TCAGTGCTGATGGTCCTAATTGTCAGCTACAGAAAACGTCTCCATGCAGTTCCTTCTGCG 5400
CCAGCAAACTGTCCAGGCTATAGCACCGTGATGCATGCTACCTCTCACTCCATCCTTCTT
CTCTTTCCCACCAGGGAGAGCTGTGTGTTTTCACTCTCAGCCACTCTGAACAATACCAAA
CTGCTACGCACTGCCTCCCTCGGAAAGAGAATCCCCTTGTTGCTTTTTTATTTACAGGAT
CCTTCTTAAAAAGCAGACCATCATTCACTGCAAACCCAGAGCTTCATGCCTCTCCTTCCA
CAACCGAAAACAGCCGGCTTCATTTGTCTTTTTTAAATGCTGTTTTCCAGGTGAATTTTG 5700
GCCAGCGTGTTGGCTGAGATCCAGGAGCACGTGTCAGCTTTCTGCTCTCATTGCTCCTGT
TCTGCATTGCCTCTTTCTGGGGTTTCCAAGAGGGGGGGAGACTTTGCGCGGGGATGAGAT
AATGCCCCTTTTCTTAGGGTGGCTGCTGGGCAGCAGAGTGGCTCTGGGTCACTGTGGCAC
CAATGGGAGGCACCAGTGGGGGTGTGTTTTGTGCAGGGGGGAAGCATTCACAGAATGGGG
CTGATCCTGAAGCTTGCAGTCCAAGGCTTTGTCTGTGTACCCAGTGAAATCCTTCCTCTG 6000
TTACATAAAGCCCAGATAGGACTCAGAAATGTAGTCATTCCAGCCCCCCTCTTCCTCAGA
TCTGGAGCAGCACTTGTTTGCAGCCAGTCCTCCCCAAAATGCACAGACCTCGCCGAGTGG
AGGGAGATGTAAACAGCGAAGGTTAATTACCTCCTTGTCAAAAACACTTTGTGGTCCATA
GATGTTTCTGTCAATCTTACAAAACAGAACCGAGAGGCAGCGAGCACTGAAGAGCGTGTT

CCCATGCTGAGTTAATGAGACTTGGCAGCTCGCTGTGCAGAGATGATCCCTGTGCTTCAT 6300
GGGAGGCTGTAACCTGTCTCCCCATCGCCTTCACACCGCAGTGCTGTCCTGGACACCTCA
CCCTCCATAAGCTGTAGGATGCAGCTGCCCAGGGATCAAGAGACTTTTCCTAAGGCTCTT
AGGACTCATCTTTGCCGCTCAGTAGCGTGCAGCAATTACTCATCCCAACTATACTGAATG
GGTTTCTGCCAGCTCTGCTTGTTTGTCAATAAGCATTTCTTCATTTTGCCTCTAAGTTTC
TCTCAGCAGCACCGCTCTGGGTGACCTGAGTGGCCACCTGGAACCCGAGGGGCACAGCCA 6600
CCACCTCCCTGTTGCTGCTGCTCCAGGGACTCATGTGCTGCTGGATGGGGGGAAGCATGA
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GCCCTTCAGCAAAAGCTGTGGGAAAGCTCTGAGGCTGCTTTCTTGGGTCGTGGAGGAATT
GTATGTTCCTTCTTTAACAAAAATTATCCTTAGGAGAGAGCACTGTGCAAGCATTGTGCA 6900
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CCACCCTGTGCCCTAAGCAGCCCGCTGGCCTCTGCTGGATGTGTGCCTATATGTCAATGC
CTGTCCTTGCAGTCCAGCCTGGGACATTTAATTCATCACCAGGGTAATGTGGAACTGTGT
CATCTTCCCCTGCAGGGTACAAAGTTCTGCACGGGGTCCTTTCGGTTCAGGAAAACCTTC
ACTGGTGCTACCTGAATCAAGCTCTATTTAATAAGTTCATAAGCACATGGATGTGTTTTC
CTAGAGATACGTTTTAATGGTATCAGTGATTTTTATTTGCTTTGTTGCTTACTTCAAACA 7500
GTGCCTTTGGGCAGGAGGTGAGGGACGGGTCTGCCGTTGGCTCTGCAGTGATTTCTCCAG
GCGTGTGGCTCAGGTCAGATAGTGGTCACTCTGTGGCCAGAAGAAGGACAAAGATGGAAA
TTGCAGATTGAGTCACGTTAAGCAGGCATCTTGGAGTGATTTGAGGCAGTTTCATGAAAG
AGCTACGACCACTTATTGTTGTTTTCCCCTTTTACAACAGAAGTTTTCATCAAAATAACG
TGGCAAAGCCCAGGAATGTTTGGGAAAAGTGTAGTTAAATGTTTTGTAATTCATTTGTCG 7800
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CTTCTCCCTGTGCTGAGAATGGAGTGATTTCTGGGTGCTGTTCCTGTGGCTTGCACTGAG 8400
CAGCTCAAGGGAGATCGGTGCTCCTCATGCAGTGCCAAAACTCGTGTTTGATGCAGAAAG
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AGTGCAGCAGGAGCTGTAGTGCACTCCTGTAGGTGCTAGGGAAAATCTCTGGTTCCCAGG
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CGTGTTCCCTTAATTTATAGAAACAAACACAGCAGAATAATTATTCCAATGCCTCCCCTC 8700
GAAGGAAACCCATATTTCCATGTAGAAATGTAACCTATATACACACAGCCATGCTGCATC
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TGGACCTGTGAAAGGAACCATGGTAAGAAACTTCGGTTAAAGGTATGGCTGCAAAACTAC
TCATACCAAAACAGCAGAGCTCCAGACCTCCTCTTAGGAAAGAGCCACTTGGAGAGGGAT
GGTGTGAAGGCTGGAGGTGAGAGACAGAGCCTGTCCCAGTTTTCCTGTCTCTATTTTCTG 9000
AAACGTTTGCAGGAGGAAAGGACAACTGTACTTTCAGGCATAGCTGGTGCCCTCACGTAA
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TCAATTCGCTTAACTGTGACTAGGTCTGTAAATAAGTGCTCCCTGCTGATAAGGTTCAAG
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TCTATACTTAAGCAGTGAAACCGCCAAGAAACCCTTCCTTTTATCAAGCTAGTGCTAAAT 9300
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TGCTGGGAGATGTGGATGCAGAGACGAATGAAGGACCTGTCCCTTACTCCCCTCAGCATT
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CAATAAATATTACCAGCCTCATTGTGCCGCTGACAGATTCAGCTGGCTGCTCCGTGTTCC
AGTCCAACAGTTCGGACGCCACGTTTGTATATATTTGCAGGCAGCCTCGGGGGGACCATC

TCAGGAGCAGAGCACCGGCAGCCGCCTGCAGAGCCGGGCAGTAC[T]CTCACCATGGCCATG 9900
OVOMUCOID 5' UNTRANSLATED REGION
GCAGGTGTCTTCGTGCTGTTCTCTTTCGTGCTTTGTGGCTTCCTCCCAGGTGAGTAACTC
OVOMUCOID [5' UNTRANSLATED REGION] CODING REGION
CCAGAGTGCTGCAGAAGCTT [9920]9979

FIG. 4